



#29/ Sep. 18

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SEQUENCE LISTING

<110> Farrar, Jane
Humphries, Peter
Kenna, Paul

<120> Genetic Suppression and Replacement

<130> MUR-003

<140> US 09/155,708

<141> 1999-04-05

<150> PCT/GB97/00929

<151> 1997-04-02

<160> 28

<170> PatentIn version 3.0

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<211> 617

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<213> mammalian

<220>

<221> n

<222> (1)..(617)

<223> any

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RE
SUP
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<220>
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 ggctgagcca tggcagttct ccatgctggc cgcctacatg tttctgctga tcgtgctggg 240
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 gncancnaac ggtacttgtg gtntttaanc cataaacaat tccgcttcgg gaaaaacatg 540
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 <221> n
 <222> (1)..(686)
 <223> any

<220>
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 <223> CCC to CTC change at 216-218

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<220>
<221> n
<222> (1)..(787)
<223> any

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gaggacgaaa cgtagagtct anagggccct attctatagt gtcacctaaa tgctaganct 180
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aagtcctna tgacctntaa gaccttcann anccccctt ntttnaaana nccnnnnnnn 660
nnnnannnc cngnaaaan aacaactaat tttgggaacc ccccccnaa aaccttttc 720
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nnannng 787

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<221> n

<222> (1)..(665)

<223> any

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ccgtgaggac gaaaggctgc tctananggc cctattctat antgtcacct aaatgctaga      180
gctcgctgat cagcctcgac tgtgccttct aattgccagc catctgttgt ttgcccctcc      240
cccgtgcctt ccttgaccct ggaaggtgcc actcccactg tcctttccta ataaaatgaa      300
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gacancaang gggaagattg ggaaaaaata ncaggcntgc tggggatncc gtgggctcta      420
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gngcattaaa cncgggggtg ttgtggttac cccaacttaa cgctancttg caacgccna      540
acgccccncc ttctcttctt cccttccttc ncccacttct cgggttcccn tcaaccnna      600
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<211> 624

<212> DNA

<213> mammalian

<220>

<221> n

<222> (1)..(624)

<223> any

<400> 6

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taagggcctc caccgatgt caccttggcc cctctgcaag ccaattaggc cccggtggca      180
gcagtgggat tagcgtagt atgatatctc gcggatgctg aatcagcctc tggcttaggg      240
agagaaggtc actttataag ggtctggggg gggtcagtgc ctggagttgc gctgtgggag      300
ccgtcagtgg ctgagctcgc caagcagcct tggctcttgt ctacgaaan cccgtggggc      360
agcctcnana accgcagcca tgaacggcac agaaggcccc aatttttatg tgcccttctc      420
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<212> DNA
<213> mammalian

<220>
<221> n
<222> (1)..(630)
<223> any

<220>
<221> misc_feature
<223> TTT to TCT transversion at position 189-191

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<212> DNA
<213> mammalian

<220>
<221> n
<222> (1)..(649)
<223> any

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acatctgatg agtccgtgag gacgaaaaaa ttggtctaca gggccctatt ctataatgtc 180

acctaatagc tanagctcgc tgatcatcct cnaactgtgc ttctacttgc cagcctctcn 240

ttgtttgccc ctcccccgctg ccttccttga ccctggaagg tgccactccc actgtccttt 300

cctaataaaa tgaggaaatt gcatcgcatt gtctgagtaa gtgtcattct attctggggg 360

gtgggggtggg gcaggacnnc aaaggggaag attgggaaat acaatancca aggancnctc 420

ccccngggta attgcggtt nggctctntc gcttccttaa ggcngaaana aacaactngg 480

gcgctnecggg gtttcccccn ccnccctnt tagcngcgca ttantcgccg cgggtgttgt 540

tgttactccc cacctnaacg ctacanttgc cagcgcctaa cggccccct tncntttctt 600

ccctcctttc tcncaacttc ccggctttcc cncccaancc naaatcngg 649

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<212> DNA
<213> mammalian

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<220>
<221> n
<222> (1)..(681)
<223> any

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gagctcngat ccactagtaa cggccgccag tgtgctggaa ttcttcagcg cccacgacca 180

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gggccanctn cacttttccc aaagnccctaa atctccgcct ctgggctcnt taangttngg 360

ggtgggganc tgtgctgtgg gaaacaaccc agaananact tgggcagcat ggnngtactg 420

aaagtncatt ttgaacagaa naaacgggtcc antttggccc aaggnncnng ntcctaaant 480

ggttctcctt ntttggtngn ntccnncctt tccnccnngg aatgttctctg aaaaattnaa 540

cnccaaaaaa gaacaaattg aaaaatantt ctnaaaaccc ttttgttncc cccccccna 600

aaaggaagg ggnnggnncc ttttnttcc cccccgggg ggggaaaatt ttnnnnaanc 660

ccccccccc ccttttttn a 681

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 <212> DNA
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<220>
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 <222> (1)..(612)
 <223> any

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<210> 11
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 <212> DNA
 <213> Artificial sequence

<220>
 <221> misc_feature
 <223> Forward mutation primer

<400> 11
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<210> 12
 <211> 20
 <212> DNA
 <213> Artificial sequence

<220>
 <221> misc_feature
 <223> Forward 359 mutation primer

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<211> 610
<212> DNA
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<220>
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<222> (1)..(610)
<223> any

<220>
<221> misc_feature
<223> A to G transversion at position 468

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tatcccctgc tcaagctgtg attccgagac cctgccacc actactgcat tcacggggat 180
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nccctgaacc 610

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<212> DNA
<213> mammalian

<220>
<221> n
<222> (1)..(679)
<223> any

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 <212> DNA
 <213> mammalian

<220>
 <221> n
 <222> (1)..(691)
 <223> any

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<212> DNA

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<222> (1)..(797)

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cangaccagc gttaccaaca gctccaattt cacccttggg gccaggggca cctgggaagc 240
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ananagntga ctccatgtc ttntntnaa aagggttttn aaaaattaac cccccccctn 720
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aanttttttn tttttttt 797

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<222> (1)..(697)
<223> any

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<220>
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 <223> human rhodopsin unadapted sequence with ribozyme cleavage site

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 <210> 20
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 <220>
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 <223> human rhodopsin adapted sequence

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 tacgtgaccg tccag 15

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 <212> DNA
 <213> mammalian

 <220>
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 <223> mouse rhodopsin unadapted sequence with ribozyme cleavage site

 <400> 21
 aatthttatg tgccc 15

 <210> 22
 <211> 15
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 <213> mammalian

 <220>
 <221> misc_feature
 <223> mouse rhodopsin adapted sequence

 <400> 22
 aatttctatg tgccc 15

 <210> 23
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 <223> human peripherin unadapted sequence with ribozyme cleavage site

 <400> 23
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<210> 24
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 <400> 24
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 <210> 25
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 <220>
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15